OAK RIDGE NATIONAL LABORATORY

OPERATED BY MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX X
OAK RIDGE, TENNESSEE 37831
September 29, 1987

Mr. Michael Marelli Health Physics Branch Office of Nuclear Safety EH-331.2 U.S. Department of Energy Washington, DC 20545

Dear Mr. Marelli:

Enclosed is a letter and proposal which I recently received from Dr. Emilo Iranzo from CIEMAT in Madrid. Emilo asked me to forward the information to the project officer in Washington.

Please note the last paragraph in Dr. Iranzo's letter. He is getting very concerned about the lack of commitment on the part of the USDOE.

Best personal regards.

Sincerely,

C. R. Richmond

Associate Laboratory Director for Biomedical and Environmental Sciences

CRR: bpw

Enclosure

cc:wo/enc: E. Iranzo



MINISTERIO DE INDUSTRIA Y ENERGIA CENTRO DE INVESTIGACIONES ENERGETICAS MEDIOAMBIENTALES Y TECNOLOGICAS (C. I. E. M. A. T.)

Madrid, September 1, 1987

Mr. M. Harelli US DUE

Dear Sir:

In order to integrate our funding requirements for contract DE-GIO1-82EP12126 (Indalo Project) with your budget cycles as it wast suggested last year by Dr. Richmond, I am sending to you in detail our current estimated cost for the experimental and surveillance work to be carried out during the period February 1, 1988 to January 31, 1989 in relation to the Palomares accident.

Our estimation has been made on the basis of quantitative activities similar to the last year one's. The cost has been increased a 5% in relation with the cost of last year to take into consideration the 5% inflation in our country for this year.

In Table 1 have been detailed the cost for the analyses to be made. In Table 2 are include with some detail the cost of each item and the total cost of the Project for 1988. Total cost amount to 99,554 kpts. To day exchange rate for dollar is 123 pts, so the total cost amount to 889,382 \$.

In the 889,382 \$ are included the annual amortize ment for the measurement equipments send free to us by the Department of Energy along the years. So, the cost of the Project for 1988, without the cost of equipment amortization, amount to 827,366 \$.

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	FECHA 1-9-87



MINISTERIO DE INDUSTRIA Y ENERGIA CENTRO DE INVESTIGACIONES ENERGETICAS MEDIOAMBIENTALES Y TECNOLOGICAS (C. I. E. M. A. T.)

Our funds requirements for 1988 amount to 550,000 \$.

We have not as yet received funding for the period February 1, 1987 to January 31, 1988 and the year is at it last quarter. Can you please check into the problem for us?. I will appreciate any information about it.

61ncerely yours

Fd. E. Iranzo Head of Indalo Project (DE-GIO1-82EP12126)

TABLE 1. BUDGET OF INDALO PROJECT ANALYSES FOR 1988

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	± ∨ ⊞ C ⊞	10141	4,234 4,271 1,277 6,099	1,789 6,686 4,057 2,152 2,055 1,115 2,155 1,632 11,632	37,641
	MEASURE-	EQUIPMENT	750 750 309 912	137 2,734 426 219 124 442 209 209	7,228
T S, kpts	Set tool tec	Catario	256 256 307	362 423 208 208 83 83 12 12	2,705
C 0 S	פראמוסמוס	CONTRACTO	1,937 1,959 563 2,928	773 2,250 1,925 1,039 1,034 744 60	16,626
	PERSONNEL	TECHNICIANS	757 710 137 1,242	231 288 423 423 52 52 53 53 53	6,439
	PERS	SCIENTISTS	534 596 238 710	284 712 866 256 116 1285 157	4,643
i.	our	TECHNICIANS SCIENTISTS	576 540 100	175 624 320 320 320 320 320 19	4,896
	FERSOIMEL men-hour	SCIENTISTS	225 252 100 30	120 195 112 108 108 7	1,958
	v V	ōN	180 180 150	51 8 88 88 88 88 10 10 10 10 10 10 10 10 10 10 10 10 10	1,831
	A N A L Y O		PECPLE Urine - Pu Urine - Am L.R.C. Medical Survey	EWIRONMENT Soil - Pu Soil - Pu Air - Pu Air - Am Vegetatión - Pu Vegetation - Am Animals - Pu Animals - Pu Water - Pu	TOTAL

TABLE 2. INDALO PROJECT BUDGET FOR 1988

C O N C E P T			D C	OSTS, kpts.		
PT TOTAL PERSONNEL OVERHEADS Wheelyses 6,099 2,972 4,459 Wheelyses 6,099 1,982 2,928 Wheelyses 3,775 39,845 1,989 2,928 INISTRA- ECC. AND EWANCE 1,686 23,937 AND INSERT 5,775 630,615 3,023 INSERT 640 EWANCE 1,686 22,928 INSERT 640 EWANCE 1,686 23,937 EWANCE 1,686 630 EWANCE 650 630 EWANCE 1,890 1,890 EWANCE 650 630 EWANCE 650 630 EWANCE 1,890 1,890 EWANCE 650 630 EWANCE 650				OMP	NENT	
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alyses 5,209 1,969 2,954 alyses 3,170 933 1,400 es 3,787 1,201 1,802 for all 119 40 60 for all 1,400 547 821 ies 821 23,907 AND AND ENANCE 1,626 5,775 ple 5,775 5,775 g,428 2,7 g,4482 2,7 g,9,554 36,615 42,482 2,	ENVIRONMENT Soil Analyses	8,475	2,015	3,023	999	2,871
as 3,787 1,201 1,902 1,902 1139 440 60 225 411 60 225 11,400 547 821 821 821 821 821 821 821 821 821 821	Air Analyses	6,209	1,969	2,954	29 62	645
s 386 40 60 225 225 1140 274 411 4110 225 225 150 225 150 225 11,140 274 411 411 4110 274 411 411 11,400 225 821 821 329 492 821 821 23,907 8,400 8,400 8,554 36,615 42,482 2,7	Animal Analyses	3,787	1,201	1,802	398	418
### 150 225 1,400 547 411 1,400 547 821 1,400 547 821 1,400 547 821 1,400 547 821 1,400 542 15,938 23,907 1,626 1,890 1,890 1,890 1,890 8,400 8,400 36,615 42,482 2,7	Water Analyses	119	04	8	검	7
d Animals 1,400 547 821 821 824 492 15,938 23,907 1,626 11,890 630 630 8,400 8,400 99,554 36,615 42,482 2,	Soil Sampling	386	150	225 411	1 %	400
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EUNISTRA- etc. x 2,7; 39,845 AND ENANCE BIANCE T,626 DIEM 5,775 people 1,890 1,890 630 630 630 8,400 99,554 36,615 42,482	Sampling Other activities	1,400 821	329	821 492	ଧ	
AND ENANCE ENANCE 1,626 DIEM 5,775 ple 1,890 1,890 630 630 630 8,400 99,554 36,615 42,482	MANAGEMENT, ADMINISTRA- TION, REPORTS, etc. 1 TS x 8; 1 TS x 2,7; 1 F x 0,9	39,845	15,938	23,907		
ple 5,775 5,775 6,775 ple 630 1,890 630 630 630 630 8,400 8,554 36,615 42,482	PALOWARES HOUSE AND EQUIPMENT MAINTENANCE	1,626				
people 1,890 1,890 630 630 8,400 8,554 36,615 42,482	TRAVEL AND PER DIEM Palomares people	5,775	5,775			
630 630 8,400 99,554 36,615 42,482	.C.I.E.M.A.T. people	1,890	1,890			
8,400 99,554 36,615 42,482	Others	030	630			
99,554 36,615 42,482	SPECIAL STUDIES	8,400				
	TOTAL	99,554	36,615	42,482	2,803	7,628